WHAT IS CLAIMED IS:

l	1. A tire pressure monitor system located within the interior of
2	a tire, the system comprising:
3	a housing having a wall forming a cavity, the housing further having
ļ	an interior wall forming a chamber in fluid communication with the cavity;
5	a tire pressure sensor located within the housing cavity, the sensor
5	having an orifice for helping to sense tire pressure; and
7	a pressure cap inserted into the housing chamber, the pressure cap
3	comprising a wall having a portion that contacts the sensor and extends around the
)	sensor orifice.
l	2. The system of claim 1 wherein the pressure cap encircles the
2	sensor orifice.
l	3. The system of claim 2 wherein the pressure cap substantially
2	blocks fluid communication between the sensor orifice and the housing cavity, the
3	pressure cap having at least a first conduit providing fluid communication between
1	the sensor orifice and the exterior of the housing.
l	4. The system of claim 1 wherein the pressure cap is made of a
2	heat-resistant compressible material.
l	5. The system of claim 1 wherein at least a first portion of the
2	pressure cap is not in interference fit with the housing chamber and a second portion
3	of the pressure cap is in interference fit with the housing chamber.
l	6. The system of claim 1 wherein the pressure cap is
2	substantially frusto-conical in shape.
l	7. The pressure cap of claim 6 wherein the pressure cap
2	comprises a first frustro-conical section and a second frustro-conical section that is
3	connected with and radially outward from the first section.

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1	8. The pressure cap of claim 3 wherein the interior wall has a
2	first wall portion adjacent a first cap portion of the pressure cap, the first wall
3	portion of the interior wall having a first diameter, and the first cap portion of the
4	pressure cap having a second diameter smaller than the first diameter so that a
5	second conduit is formed between the first wall portion and the first cap portion, the
6	second conduit being in fluid communication with the first conduit.

- 9. A pressure cap for use with a tire pressure monitor, the monitor comprising a housing having a wall forming a cavity and an interior wall forming a chamber in fluid communication with the cavity and an air pressure sensor within the housing, the cap comprising:
- a cap wall which when inserted within the chamber extends between the housing wall and the sensor and extends around the sensor orifice.
- 1 10. The pressure cap of claim 9 wherein the pressure cap encircles 2 the sensor orifice.
- 1 11. The pressure cap of claim 9 wherein the pressure cap substantially blocks fluid communication between the sensor orifice and the housing cavity, the pressure cap having at least a first conduit providing fluid communication between the sensor orifice and the exterior of the housing.
 - 12. The pressure cap of claim 9 wherein at least a portion of the pressure cap is in interference fit with the housing opening.
 - 13. The pressure cap of claim 9 wherein the pressure cap comprises a first frustro-conical section and a second frustro-conical section that is connected with and radially outward from the first section.
- 1 14. The pressure cap of claim 9 wherein the interior wall has a 2 first wall portion adjacent a first cap portion of the pressure cap, the first wall 3 portion of the interior wall having a first diameter, and the first cap portion of the

5	second conduit is formed between the first wall portion and the first cap portion, the
6	second conduit being in fluid communication with the first conduit.
1	15. A method for manufacturing a tire pressure monitoring system
2	located within the interior of a tire, the method comprising:
3	providing a housing having a wall forming a cavity and having an
4	interior wall forming a chamber in fluid communication with the cavity;
5	locating a tire pressure sensor within the housing cavity, the sensor
6	having an orifice for helping to sense tire pressure; and
7	locating a pressure cap into the housing chamber, the pressure cap
8	comprising a wall having a portion that contacts the sensor and extends around the
9	sensor orifice.
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1	16. The method of claim 15 wherein the pressure cap encircles the
2	sensor orifice.
1	17. The method of claim 15 wherein the pressure cap substantially
2	blocks fluid communication between the sensor orifice and the housing cavity, the
3	pressure cap having at least a first conduit providing fluid communication between
4	the sensor orifice and the exterior of the housing.
1	18. The method of claim 15 wherein at least a portion of the
2	pressure cap is in interference fit with the housing opening.
1	19. The method of claim 15 wherein the pressure cap comprises
2	a first frustro-conical section and a second frustro-conical section that is connected
3	with and radially outward from the first section.
1	20. The method of claim 15 wherein the interior wall has a first
2	wall portion adjacent a first cap portion of the pressure cap, the first wall portion
3	of the interior wall having a first diameter, and the first cap portion of the pressure
4	cap having a second diameter smaller than the first diameter so that a second conduit

4 pressure cap having a second diameter smaller than the first diameter so that a

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- 5 is formed between the first wall portion and the first cap portion, the second conduit
- 6 being in fluid communication with the first conduit.